€ -0403c0

OIPE

44

RAW SEQUENCE LISTING PATENT APPLICATION: US/10/014,896

DATE: 01/02/2002 TIME: 14:47:27

Input Set : A:\LEX-0280-USA SEQLIST.txt
Output Set: N:\CRF3\01022002\J014896.raw

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             Miranda, Maricar
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              Friddle, Carl Johan
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      8 <120> TITLE OF INVENTION: Novel Human Proteases and
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RAW SEQUENCE LISTING DATE: 01/02/2002 PATENT APPLICATION: US/10/014,896 TIME: 14:47:27

Input Set : A:\LEX-0280-USA SEQLIST.txt
Output Set: N:\CRF3\01022002\J014896.raw

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62						_											•
35	61	Leu	Val	Phe	Pro	Thr	Val	Ser	Arg		Met	Gly	Pro	Arg		Gly	Glu
64											_				-		_
Second   Ala Met Lys   Glu   Ala   Leu Lys   Gly   Ala   Ile   Gln   Ile   Pro   Thr   Val	63	Hìs	Gln		Ala	Ser	Arg	Ile		Ser	Gln	Phe	Ser		Glu	Glu	Arg
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67 Thr Phe Ser Ser Glu Lys Ser Asn Thr Thr Ala Leu Ala Glu Phe Gly 68 65		Val		Met	Lys	GIu	Ala		Lys	GIY	Ala	ire		TTE	PLO	THE	vaı
68 65		m)		C	Com	01.5	T		N an	mb~	Thr	712		λla	Glu	Dho	G1v
69 Lys Tyr Ile His Lys Val Phe Pro Thr Val Val Ser Thr Ser Phe Ile 70 85 90 71 Gln His Glu Val Val Glu Glu Tyr Ser His Leu Phe Thr Ile 72 100 105 110 73 Ser Asp Pro Ser Leu Gln Pro Tyr Leu Leu Met Ala His Phe Asp Val 74 115 120 125 75 Val Pro Ala Pro Glu Glu Gly Trp Glu Val Pro Pro Phe Ser Gly Leu 76 130 135 140 77 Glu Arg Asp Gly Val Ile Tyr Gly Arg Gly Thr Leu Asp Asp Lys Asn 78 145 150 150 160 79 Ser Val Met Ala Leu Leu Gln Ala Leu Glu Leu Leu Gly His Asp Glu Gly 83 Ser Ser Gly Thr Gly Ala Gln Arg Ile Ser Leu Gly His Asp Glu Glu 83 Ser Ser Gly Thr Gly Ala Gln Arg Ile Ser Ala Leu Leu Gln Ser Arg 84 195 200 85 Gly Val Gln Leu Ala Phe Ile Val Asp Glu Gly Gly Phe Ile Leu Asp 86 210 225 87 Asp Phe Ile Pro Asn Phe Lys Lys Pro Ile Ala Leu Ile Ala Val Ser 88 225 230 235 89 Glu Lys Gly Ser Met Asn Leu Met Leu Gln Val Asn Met Thr Ser Gly 90 245 250 91 His Ser Ser Ala Pro Pro Lys Glu Thr Ser Ile Gly Ile Leu Ala Ala 92 260 265 93 Ala Val Ser Arg Leu Glu Gln Gln Gln Leu Ala Asn Glu Phe Fro Phe 94 275 280 95 Gly Thr Val Val Thr Val Leu Gln Gln Leu Ala Asn Glu Phe Pro Phe 96 290 295 97 Pro Val Asn Ile Ile Leu Ser Asn Pro Trp Leu Phe Glu Pro Leu Ile 98 305 99 Ser Arg Phe Met Glu Arg Asn Pro Leu Thr Asn Ala Ile Ile Arg Thr 100 325 101 Thr Thr Ala Leu Thr Ile Phe Lys Ala Gly Val Lys Phe Asn Val Ile 102 340 103 Pro Pro Val Ala Gln Ala Thr Val Asn Phe Arg Ile His Pro Gly Gln 104 355 105 Thr Val Gln Glu Val Leu Glu Leu Thr Lys Asn Ile Val Ala Asp Asn			Pne	ser	ser	GIU		ser	ASH	1111	1111		Бец	AIU	Olu	THE	
70			Tur	Tle	His	Lvs		Phe	Pro	Thr	Val		Ser	Thr	Ser	Phe	
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130																	
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79 Ser Val Met Ala Leu Leu Gln Ala Leu Glu Leu Leu Leu Leu Ile Arg Lys 80			Arg	Asp	Gly	Val		Tyr	GLY	Arg	GTA		Leu	Asp	Asp	гàг	
165			**- 1	34-4	» 1 –	T		C1-	71-	T 011	C1.,		Tou	Lon	т1 о	λκα	
81 Tyr Ile Pro Arg Arg Ser Phe Phe Ile Ser Leu Gly His Asp Glu Glu 82		ser	vaı	мет	Ата		Leu	GIII	Ald	Leu		ьеu	Leu	пеп	116		БуБ
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83 Ser Ser Gly Thr Gly Ala Gln Arg Ile Ser Ala Leu Leu Gln Ser Arg 84		тут	116	rio		nrg	501	1 110	1 110		001		~ <i>L</i> 1				
84		Ser	Ser	Glv		Glv	Ala	Gln	Arg		Ser	Ala	Leu	Leu	Gln	Ser	Arg
86						-											
87 Asp Phe Ile Pro Asn Phe Lys Lys Pro Ile Ala Leu Ile Ala Val Ser 88 225	85	Gly	Val	Gln	Leu	Ala	Phe	Ile	Val	Asp	Glu	Gly	Gly	Phe	Ile	Leu	Asp
88       225       230       235       240         89       Glu Lys Gly Ser Met Asn Leu Met Leu Gln Val Asn Met Thr Ser Gly       20       255         91       His Ser Ser Ala Pro Pro Lys Glu Thr Ser Ile Gly Ile Leu Ala Ala       255         91       His Ser Ser Ala Pro Pro Lys Glu Thr Ser Ile Gly Ile Leu Ala Ala       270         93       Ala Val Ser Arg Leu Glu Gln Thr Pro Met Pro Ile Ile Phe Gly Ser       270         94       275       280       285         95       Gly Thr Val Val Thr Val Leu Gln Gln Leu Ala Asn Glu Phe Pro Phe       285         96       290       295       300         97       Pro Val Asn Ile Ile Leu Ser Asn Pro Trp Leu Phe Glu Pro Leu Ile       320         99       Ser Arg Phe Met Glu Arg Asn Pro Leu Thr Asn Ala Ile Ile Arg Thr       320         99       Ser Arg Phe Met Glu Arg Asn Pro Leu Thr Asn Ala Ile Ile Arg Thr       335         101       Thr Thr Ala Leu Thr Ile Phe Lys Ala Gly Val Lys Phe Asn Val Ile       320         103       Pro Pro Val Ala Gln Ala Thr Val Asn Phe Arg Ile His Pro Gly Gln         104       355       360         105       Thr Val Gln Glu Val Leu Glu Leu Thr Lys Asn Ile Val Ala Asp Asn																	
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90				_				_		_			_		<b></b> 1	<b>a</b>	
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94 275 280 285  95 Gly Thr Val Val Thr Val Leu Gln Gln Leu Ala Asn Glu Phe Pro Phe 96 290 295 300  97 Pro Val Asn Ile Ile Leu Ser Asn Pro Trp Leu Phe Glu Pro Leu Ile 98 305 310 315 320  99 Ser Arg Phe Met Glu Arg Asn Pro Leu Thr Asn Ala Ile Ile Arg Thr 100 325 330 335  101 Thr Thr Ala Leu Thr Ile Phe Lys Ala Gly Val Lys Phe Asn Val Ile 102 340 345 350  103 Pro Pro Val Ala Gln Ala Thr Val Asn Phe Arg Ile His Pro Gly Gln 104 355 360 365  105 Thr Val Gln Glu Val Leu Glu Leu Thr Lys Asn Ile Val Ala Asp Asn		Δla	Va 1	Ser		Len	Glu	Gln	Thr		Met.	Pro	Ile	Ile		Glv	Ser
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96 290 295 300  97 Pro Val Asn Ile Ile Leu Ser Asn Pro Trp Leu Phe Glu Pro Leu Ile 98 305 310 315 320  99 Ser Arg Phe Met Glu Arg Asn Pro Leu Thr Asn Ala Ile Ile Arg Thr 100 325 330 335  101 Thr Thr Ala Leu Thr Ile Phe Lys Ala Gly Val Lys Phe Asn Val Ile 102 340 345 350  103 Pro Pro Val Ala Gln Ala Thr Val Asn Phe Arg Ile His Pro Gly Gln 104 355 360 365  105 Thr Val Gln Glu Val Leu Glu Leu Thr Lys Asn Ile Val Ala Asp Asn		Gly	Thr		Val	Thr	Val	Leu	Gln	Gln	Leu	Ala	Asn	Glu	Phe	Pro	Phe
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103 Pro Pro Val Ala Gln Ala Thr Val Asn Phe Arg Ile His Pro Gly Gln 104 355 360 365 105 Thr Val Gln Glu Val Leu Glu Leu Thr Lys Asn Ile Val Ala Asp Asn			Thi	: Ala			r lle	e Pue	э гух			/ val	г глуг	s Pne			. ire
104 355 360 365 105 Thr Val Gln Glu Val Leu Glu Leu Thr Lys Asn Ile Val Ala Asp Asn			n Dro	\ \\ \\ \			. Als	ነ ጥሎ፣	- V=1			Δτα	T T14	a Hid			, Gln
105 Thr Val Glu Glu Val Leu Glu Leu Thr Lys Asn Ile Val Ala Asp Asn			) LIC			ı GII	T VIC	4 1111			. r 116	. 117	,			J J-)	0.111
			· Val			ı Va	L Lei	ı Glı			r Lys	s Ası	ı Ile			a Asr	) Asn
											-1-					•	



RAW SEQUENCE LISTING

DATE: 01/02/2002

PATENT APPLICATION: US/10/014,896

TIME: 14:47:27

Input Set : A:\LEX-0280-USA SEQLIST.txt
Output Set: N:\CRF3\01022002\J014896.raw

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107 Arg Val Gln Phe His Val Leu Ser Ala Phe Asp Pro Leu Pro Val Ser
                        390
                                             395
109 Pro Ser Asp Asp Lys Ala Leu Gly Tyr Gln Leu Leu Arg Gln Thr Val
                    405
                                        410
                                                             415
110
111 Gln Ser Val Phe Pro Glu Val Asn Ile Thr Ala Pro Val Thr Ser Ile
                                    425
                420
112
113 Gly Asn Thr Asp Ser Arg Phe Phe Thr Asn Leu Thr Thr Gly Ile Tyr
                                440
           435
115 Arg Phe Tyr Pro Ile Tyr Ile Gln Pro Glu Asp Phe Lys Arg Ile His
                            455
117 Gly Val Asn Glu Lys Ile Ser Val Gln Ala Tyr Glu Thr Gln Val Lys
                        470
                                            475
119 Phe Ile Phe Glu Leu Ile Gln Asn Ala Asp Thr Asp Gln Glu Pro Val
120
                    485
                                        490
121 Ser His Leu His Lys Leu
122
                500
124 <210> SEQ ID NO: 3
125 <211> LENGTH: 1086
126 <212> TYPE: DNA
127 <213> ORGANISM: Homo sapiens
129 <400> SEQUENCE: 3
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131 acceptation gategategg coccaaggage ggggageate aaagggegte gegaateeet
                                                                            120
132 totcagttca gcaaagagga acgcgtcgcg atgaaagagg cgctgaaagg tgccatccag
                                                                            180
133 attocaacag tgacttttag ctctgagaag tccaatacta cagccctggc tgagttcgga
                                                                            240
134 aaatacattc ataaagtctt tcctacagtg gtcagcacca gctttatcca gcatgaagtc
                                                                            300
135 gtggaagagt atagccacct gttcactatc caaggctcgg accccagctt gcagccctac
                                                                            360
136 ctgctgatgg ctcactttga tgtggtgcct gcccctgaag aaggctggga ggtgccccca
                                                                            420
137 ttctctgggt tggagcgtga tggcgtcatc tatggtcggg gcacactgga cgacaagaac
                                                                            480
138 tctgtgatgg cattactgca ggccttggag ctcctgctga tcaggaagta catcccccqa
                                                                            540
139 agatetttet teatttetet gggecatgat gaggagteat cagggacagg ggeteagagg
                                                                            600
140 atctcagecc tgctacagtc aaggggcgtc cagctagect tcattgtgga cgaggggggc
                                                                            660
141 ttcatcttgg atgatttcat tcctaacttc aagaagccca tcgccttgat tgcagtctca
                                                                           720
                                                                           780
142 gagaagggtt ccatgaacct catgctgcaa gtaaacatga cttcaggcca ctcttcagct
                                                                            840
143 cctccaaagg agacaagcat tggcatcctt gcagctgctg tcagccgatt ggagcagaca
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144 ccaatgccta tcatatttgg aagcgggaca gtggtgactg tattgcagca actggcaaat
145 gaggtttatg gagagaaatc ccttaaccaa tgcaataatc aggaccacca cggcactcac
                                                                           960
146 catattcaaa gcaggggtca agttcaatgt catccccca gtggcccagg ccacagtcaa
                                                                          1020
147 cttccggatt caccctggac agacagtcca agaggtccta gaactcacga agaacattgt
                                                                          1080
                                                                          1086
148 ggctga
150 <210> SEQ ID NO: 4
151 <211> LENGTH: 361
152 <212> TYPE: PRT
153 <213> ORGANISM: Homo sapiens
155 <400> SEQUENCE: 4
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                                        10
158 Leu Val Phe Pro Thr Val Ser Arg Ser Met Gly Pro Arg Ser Gly Glu
159
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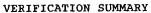


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Input Set : A:\LEX-0280-USA SEQLIST.txt
Output Set: N:\CRF3\01022002\J014896.raw

161			35					40	Ser				45			
162 163		50					55		Gly			60				
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167	_				85				Thr	90					95	
169				100					Ser 105					110		
171			115					120	Leu				125			
173		130					135		Glu			140				
175	145					150			Arg		155					160
177					165				Leu	170					175	
179	_			180					Ile 185					190		
181			195					200	Ile				205			
183	_	210					215		Asp			220				
185	225					230			Pro		235					240
187					245				Leu	250					255	
189				260					Thr 265					270		
191			275					280	Pro				285			
193	_	290					295		Gln			300				
195	305	_				310			Asn		315					320
197					325				Gln	330					335	
199				340					Pro 345	Trp	Thr	Asp	ser	350	Arg	σιγ
200 201	Pro	Arg	Thr 355	His	Glu	Glu	His	Cys 360	Gly							



PATENT APPLICATION: US/10/014,896

DATE: 01/02/2002

TIME: 14:47:28

Input Set : A:\LEX-0280-USA SEQLIST.txt Output Set: N:\CRF3\01022002\J014896.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date